

Title (en)

FOLDING OPTICS FOR FOLDING AN OPTICAL PATH IN A LASER PULSE ARRANGEMENT

Title (de)

FALTUNGSOPTIK ZUR FALTUNG EINES STRAHLENWEGS IN EINER LASERPULSANORDNUNG

Title (fr)

OPTIQUE DE REPLIEMENT POUR REPLIER UN TRAJET OPTIQUE DANS UN SYSTÈME À IMPULSIONS LASER

Publication

**EP 3167327 A1 20170517 (DE)**

Application

**EP 15731049 A 20150623**

Priority

- DE 102014109681 A 20140710
- EP 2015064162 W 20150623

Abstract (en)

[origin: WO2016005185A1] Disclosed are folding optics (1) for a laser pulse compressor, said folding optics comprising at least two reflecting elements (6), each having a flat reflecting surface (7), which reflecting elements are spatially fixed by a retaining device (2) by means of a frictional connection in such a way that the two reflecting surfaces (7) are arranged at a definable angle with respect to each other. According to the invention, each of the two reflecting elements (6) is oriented along a respective side surface of an angle block (8), wherein the two side surfaces are arranged at a definable angle with respect to each other and the angle block (8) serves as an abutment in order to achieve the frictional connection to the retaining device (2).

IPC 8 full level

**G02B 7/182** (2006.01); **G02B 5/12** (2006.01); **G02B 5/122** (2006.01)

CPC (source: CN EP KR US)

**G02B 5/122** (2013.01 - EP KR US); **G02B 7/182** (2013.01 - CN EP KR US); **H01S 3/0057** (2013.01 - EP KR US);  
**G02B 5/12** (2013.01 - CN EP US); **G02B 5/122** (2013.01 - CN)

Citation (search report)

See references of WO 2016005185A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016005185 A1 20160114**; CN 106662725 A 20170510; DE 102014109681 A1 20160114; DE 102014109681 B4 20210225;  
EP 3167327 A1 20170517; JP 2017521694 A 20170803; KR 20170030591 A 20170317; TW 201607189 A 20160216;  
US 2017115468 A1 20170427

DOCDB simple family (application)

**EP 2015064162 W 20150623**; CN 201580031560 A 20150623; DE 102014109681 A 20140710; EP 15731049 A 20150623;  
JP 2016567891 A 20150623; KR 20177003526 A 20150623; TW 104121433 A 20150702; US 201715402279 A 20170110